EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("5234560" "5455197" "5556519" "5069772" "5182001" "6155200" "6156170" "6171454" "5685959" "4284924" "4500408" "4581118" "5736019" "4155825" "4277304" "4312731" "4324968" "4414086" "4422896" "4444643" "4457825" "4461688" "4500409" "4552639" "4572759" "4600492" "4600490" "4786361" "4842703" "4872964" "5188717" "5211824" "5227698" "5262030" "5302266" "5314575" "5330606" "5368684" "5409590" "5441614" "5593539" "5705081" "5753066" "5827414" "5855744" "5865970" "5932488" "6245190" "5539360" "5684397" "5754043" "6352629" "6358376" "6663754" "20020175074" "20050199485" "4842683" "5215619" "4445070" "4465953" "4597847" "5232569" "5714044" "4243505" "4395655" "4629548" "4854263" "4931640" "5237139" "5376211" "5660671" "5773100" "5888338" "6014943" "6040022").pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/11 13:50

| S2 | 75 | (("5234560") or ("5455197") or ("5556519") or ("5069772") or ("5182001") or ("6155200") or ("6156170") or ("6171454") or ("5685959") or ("4284924") or ("4500408") or ("4581118") or ("5736019") or ("4155825") or ("4277304") or ("4312731") or ("4324968") or ("4414086") or ("4422896") or ("4444643") or ("4457825") or ("4461688") or ("4500409") or ("4552639") or ("4572759") or ("4600492") or ("4600490") or ("4786361") or ("4842703") or ("4872964") or ("5188717") or ("5211824") or ("5227698") or ("5262030") or ("5302266") or ("5314575") or ("5330606") or ("5368684") or ("5409590") or ("5441614") or ("5593539") or ("5705081") or ("5753066") or ("5827414") or ("5855744") or ("5865970") or ("5932488") or ("6245190") or ("5539360") or ("5684397") or ("5754043") or ("6352629") or ("6358376") or ("6663754") or ("20020175074") or ("20050199485") or | US-PGPUB; USPAT | OR | OFF | 2007/07/11 13:50 |

		("4842683") or ("5215619") or ("4445070") or ("4465953") or ("4597847") or ("5232569") or ("5714044") or ("4243505") or ("4395655") or ("4629548") or ("4854263") or ("4931640") or ("5237139") or ("5376211") or ("5660671") or ("5773100") or ("5888338") or ("6014943") or ("6040022")).PN.				
S3	3	(("200400207") or ("200400356") or ("6491801") or ("6352629") or ("6277249")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 12:21
S4	2	ep-1067577-$.did. or wo-200401735-$.did.	EPO; JPO; DERWENT	ADJ	ON	2007/07/11 13:56
S5	0	wo-200401735-$.did.	EPO; JPO; DERWENT	ADJ	ON	2007/07/11 13:53
S6	2	wo-2004017356-$.did.	EPO; JPO; DERWENT	ADJ	ON	2007/07/11 13:53
S7	13	(("6682637") or ("6860977") or ("5234560") or ("5292417") or ("5423970") or ("6878248") or ("6176979") or ("5490913") or ("5688381") or ("5833823") or ("6093293") or ("6540883") or ("6454920") or ("6682637") or ("6860977")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/11 13:55
S8	4	ep-1067577-$.did. or wo-2004017356-$.did.	EPO; JPO; DERWENT	ADJ	ON	2007/07/11 13:57
S9	0	"10798331".ap.	US-PGPUB; USPAT	ADJ	ON	2007/07/12 11:41
S10	0	"10798331".app.	US-PGPUB; USPAT	ADJ	ON	2007/07/12 11:42
S11	1	"10/798331".app.	US-PGPUB; USPAT	ADJ	ON	2007/07/12 11:42

S12	1	("5744011").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/13 17:12
S13	2	09/546798.app. or 09/414614.app.	US-PGPUB; USPAT	ADJ	ON	2007/07/16 14:47
S14	0	("200400356").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 12:22
S15	1	("20040035692").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 12:22
S16	3	(SIP or (self-ionized plasma)) and (duty adj (cycle or ratio)) and (Khz or kilohertz) and sputter and target	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:04
S17	3	(SIP or (self-ionized plasma) or (self ionized plasma)) and (duty adj (cycle or ratio)) and (Khz or kilohertz) and sputter and target	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:05
S18	3	(SIP or (self-ionized plasma) or (self ionized plasma)) and (duty adj (cycle or ratio)) and (kHz or kilohertz) and sputter and target	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:05
S19	19	(SIP or (self-ionized plasma) or (self ionized plasma)) and (duty adj (cycle or ratio)) and (kHz or kilohertz or MHz or megahertz) and sputter and target	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:15
S20	93	(duty adj (cycle or ratio)) and (kHz or kilohertz or MHz or megahertz) and sputter and target and plasma and magnetron	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:19
S21	1	("20040020768").PN.	US-PGPUB; USPAT	OR	OFF	2008/02/20 15:58
S22	2	(("5242566") or ("5320728")).PN.	US-PGPUB; USPAT	OR	OFF	2008/02/21 13:37
S23	205483	(asymmetr$5 or nonsymmetr$5 or non-symmetr$5)	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:28
S24	466	unbalanced with magnetron	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:29
S25	85	S23 and S24	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:29
S26	76	S23 and S24 and (sweep $3 or rotat$5)	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:29

S27	1	("20030173215").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/02 16:08
S28	73	unbalanced and (sputter or suttering) and (swept or sweep or sweeping)	US-PGPUB; USPAT	ADJ	ON	2008/10/02 16:10
S29	118	unbalanced and (sputter or sputtering) and (swept or sweep or sweeping)	US-PGPUB; USPAT	ADJ	ON	2008/10/02 16:10
S30	13	("5417833" | "5660744" | "6217716" | "6251242" | "6277249" | "6352629" | "6406599" | "6436251" | "6444104" | "6451177" | "6485617" | "6485618").PN. OR ("6837975").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/02 16:42
S31	7	("6183614").PN. OR ("6491801").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 17:50
S32	18	("4622121" | "4865712" | "5171415" | "5188717" | "5252194" | "5314597" | "5482611" | "5593551" | "6132576" | "6179973" | "6193854" | "6432285" | "6444105" | "6471831" | "6491801" | "6497796" | "6613199" | "6683425").PN. OR ("7179351").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 17:50
S33	653	(sputter or sputtering) and ((unbalanced or asymmetric) with (magnetron or magnet))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 17:53
S34	653	(sputter or sputtering) and ((unbalanced or asymmetric) with (magnetron or magnet))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:53
S35	0	S34 and (magnetic with (flux of field))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
S36	0	(magnetic with (flux of field))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
S37	401	S34 and (magnetic with (flux or field))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
S38	297	S37 and (rf or (radio near1 frequency))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
S39	1076	204/298.16.ccls. or 204/298.19.ccls. or 204/298.2.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/07 15:34

S40	188	S39 and ((unbalanced or asymmetr$4) with (magnetron or magnet or magnetic))	US-PGPUB; USPAT	ADJ	ON	2009/12/07 15:37
S41	57	((unbalanced or asymmetr$4) with (magnetron or magnet or magnetic)) same nested	US-PGPUB; USPAT	ADJ	ON	2009/12/07 15:37
S42	36	S41 and S39	US-PGPUB; USPAT	ADJ	ON	2009/12/07 15:37
S43	21	S41 not S42	US-PGPUB; USPAT	ADJ	ON	2009/12/07 15:48
S44	20	("4632719" | "4746417" | "4872964" | "5242566" | "5248402" | "5284564" | "5320728" | "5374343" | "5556519" | "5746897" | "5770025" | "5795451" | "5868914" | "6183614" | "6290825").PN. OR ("6663754").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/07 15:51
S45	37	("4444643" | "4498969" | "4631106").PN. OR ("4746417").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/07 16:05
S46	63	("4444643" | "4714536" | "4746417" | "4872964").PN. OR ("5320728").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/07 16:10
S47	54	S46 not S45	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/07 16:11
S48	30	("3282816" | "4392939" | "4407713" | "4437966" | "4444643" | "4461688" | "4498969" | "4525264" | "4631106" | "4714536" | "4746417" | "4826584" | "4842703" | "4872964" | "5047130" | "5164063" | "5182003" | "5194131" | "5242566" | "5248402" | "5252194").PN. OR ("5374343").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/07 16:16
S49	25	S48 not S47	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/07 16:17
S50	85730	(sputter or sputtering)	EPO; JPO; DERWENT	ADJ	ON	2009/12/07 17:47
S51	21421	S50 and (magnetron or magnet or magnetic)	EPO; JPO; DERWENT	ADJ	ON	2009/12/07 17:48
S52	150	S51 and (unbalanced or asymmetr$4)	EPO; JPO; DERWENT	ADJ	ON	2009/12/07 17:48

| S53 | 85 | S52 and ((magnetron or magnet or magnetic) with (flux or field or force)) | EPO; JPO; DERWENT | ADJ | ON | 2009/12/07 17:55 |
| S54 | 2 | 10/386940.app. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/07 18:00 |

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S55	1566	((unbalanced or asymmetr$4) and (magnetron or magnet or magnetic)).clm.	USPAT; UPAD	ADJ	ON	2009/12/07 18:13
S56	1035	((unbalanced or asymmetr$4) and (magnetron or magnet or magnetic) and (field or force or flux)).clm.	USPAT; UPAD	ADJ	ON	2009/12/07 18:14
S57	311	((unbalanced or asymmetr$4) and (magnetron or magnet or magnetic) and (field or force or flux) and (pole or polarity)).clm.	USPAT; UPAD	ADJ	ON	2009/12/07 18:14
S58	150	((unbalanced or asymmetr$4) and (magnetron or magnet or magnetic) and (field or force or flux) and (pole or polarity) and (rotat$4 or sweep$3 or swept or scan$4)).clm.	USPAT; UPAD	ADJ	ON	2009/12/07 18:16
S59	9	((unbalanced or asymmetr$4) and (magnetron or magnet or magnetic) and (field or force or flux) and (pole or polarity) and (rotat$4 or sweep$3 or swept or scan$4) and (sputter or sputtering)).clm.	USPAT; UPAD	ADJ	ON	2009/12/07 18:17
S60	141	S58 not S59	USPAT; UPAD	ADJ	ON	2009/12/07 18:18

12/8/2009 1:20:51 PM
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